

ABSTRACT OF THE DISCLOSURE

Method and apparatus used to calculate the hydrogen sulfide and carbon dioxide loading of both rich and lean amine solutions used to remove acidic gas components from sour or production gases in order to produce a sweet or sales gas for transmission purposes. The amine solution is divided into three(3) liquid streams carrying different proportions of heat stable salts, hydrogen sulfide and carbon dioxide. Conductivity measurements are made on each of the streams and are converted to acid loading values for the amine. The acid loading values of the amine are used to obtain the hydrogen sulfide and carbon dioxide loading for the amine solution.

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JOHN R. UREN
Reg. No. 27,530